**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

14

Application Number

10/689,951

Filing Date

October 22, 2002

First Named Inventor

HACKMAN et al.

Art Unit

3744

Examiner Name

M.M. Ali

Attorney Docket Number

98731-000001/US

ENCLOSURES (check all that apply)☐ Fee Transmittal Form☐ Fee Attached☒ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure
Statement☐ Certified Copy of Priority
Document(s)☐ Reply to Missing Parts/
Incomplete Application☐ Reply to Missing Parts
under 37 CFR1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ Landscape Table on CD☐ After Allowance Communication to TC☐ Appeal Communication to Board
of Appeals and Interferences☐ Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☐ Other Enclosure(s)
(please identify below):

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm

Harness, Dickey & Pierce, P.L.C.

Signature

Printed Name

Donald J. Daley

Date

April 7, 2005

Reg. No.

34,313

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

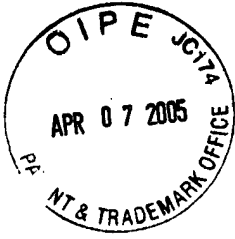
Typed or printed name

Express Mail
Label No.

Signature

Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



M/S AMENDMENT
Attorney Docket No. 98731-000001/US

IN THE U.S. PATENT AND TRADEMARK OFFICE

APPLICANT(S): HACKMAN et al. CONF. NO.: 4019
APPL. NO.: 10/689,951 ART UNIT: 3744
FILED: October 22, 2002 EXAMINER(S): M.M. ALI
ENTITLED: AUTOMATIC LN2 DISTRIBUTION SYSTEM FOR
HIGH-PURITY GERMANIUM MULTI-DETECTOR
FACILITIES

RESPONSE UNDER 37 C.F.R. § 1.111

April 7, 2005

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314
Mail Stop **AMENDMENT**

Sir:

In response to the Office Action dated January 7, 2005 ("Action") for the above-identified patent application, please amend the claims as indicated and consider the remarks below. The sections included in this response are as follows:

Amendments to the Claims begin on **page 2** of this paper; and
a Remarks section begins on **page 6** of this paper.